



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#13 (1)
Dwight C
8/1/02

In re application of : Confirmation No. 6208

Mitsuaki OSHIMA et al. : Docket No. 2000_1391

Serial No. 09/680,177 : Group Art Unit 2634

Filed October 5, 2000 : Examiner A. Le

COMMUNICATION SYSTEM :

AMENDMENT

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

Assistant Commissioner for Patents,
Washington, D.C.

Sir:

In response to the Office Action of May 16, 2002, please amend the above-identified U.S. patent application as follows:

IN THE CLAIMS:

Please cancel claims 13-23 without prejudice or disclaimer to the subject matter therein.

Also, please add new claims 24-29 as follows.

24. A signal transmission apparatus comprising:

a first error correction code (ECC) encoder operable to ECC encode a first data stream to produce an ECC encoded first data stream;

a second error correction code (ECC) encoder operable to ECC encode a second data stream to produce an ECC encoded second data stream,

wherein the first ECC encoder is different from the second ECC encoder;

a modulator operable to assign each of the ECC encoded first data stream and the ECC encoded second data stream to a respective constellation in a vector space diagram to produce modulated signals wherein the number of signal points of the constellation for the ECC encoded first

07/29/2002 TLWJ11 00000008 09680177

01 FC:102

04.00 DP

RECEIVED

JUL 31 2002

Technology Center 2600